Implantable Experiment (Exp. No B-7)

Subject: Implantation of Silastic Bladder Patency Experiment

Material, Silastic Woven Teflon Bladder (Neimeth S.R. No.2 Type)
How to conect, Suturing
Dog used: No
Weight

Operation procedure:

1, Abdominal Median Incision

2, Mobilize the abdominal aorta
Under the left renal artery to the bifulcation
10 cm in length
1.2 in inner diameter

3, Clamp the aorta, just below the left renal artery and just over the bifulcation.

4, Cut the aorta at the 1 cm distal from the upper clampof.
5, Suture the cutting aorta to the teflon graft of the bladder.
Accidentaly sutured both wall of the aorta in one stich.

Gut the sutured part and restart the suture.

6, Pull the sutured bladder and measured the length, then cutt off the distal part of aorta about 2cm proximal from the distal clamping.

7, Sutured the other end of the bladder with the distal end of aorta.

8, Compress the bladder, then open the upper clamping.
9, After making sure of filling the blood complately in the bladder, open the distal clamping.

10. Additional one sture.

11, Bleeding stopped without administering polybrene.

Blood transfusion 1000ml (40 mg of Heparine) 5% Glucose Solution 500ml.

Distemper; 0.5 g Streptomycin 4 Million Unit of Penicillin.

After the operation

18, July.	awakend , drink water from hand Bio-Delta 5cc inj.
19,July	appetit good, milk and meat from the hand. Pulsation of both femoral artery is palpable.
00 T 7	Bio-delta 5ccInj.
20, July	Conjunctivitis, Rhinorrhoe, Appetit good, generalcondition good.
	Bio-Delta 5cc inj.
21,July	Diarrhea, Appetit good.
00 T 7	Take him out for walking. Bio-delta 5ccInj.
22, July	Diarrhea, Conjunctivitis, Rhinorrhoe decreaded. Fieber, sleightly.
23, July	Fiebersleightly, Sleight infection at the sub- cutaneous of the incision, open the wound, and
	make a drainage.
24, july	Penicillin 1 million. Penicillin 1million
	Penicillin 1 million
26, July	Penicillin 1 million
27,July	Condition is quite well, appetit good.
28,July	Sleight fieber . Subcutaneous infection , no exsudate. Take him out for walking. Condition is quite well. Both leg is warm and both femoral pulse is palpable.
	C

Change the Room

Mechanical Booster Heart.

Implantable experiment(Exp. No B-9)

Subject: Implantation of the silastic bladder Patency Experiment

No pressure recording

Material; Silastic Woven Teflon Bladder(Neimeth S.R. No2 Type) How to connect: Suturing

Dog used: <u>NO 37/</u>

Operation Procedure:

1, Abdominal median incision.

2, Mobilize the abdominal aorta,

under the left renal artery to the bifulcation

11 cm in length.

1.0 mm in diameter

3, Clamp themobilized aorta just below the left renal artery and just above the bifulcation.

4. Resect the aorta about 1.5 cm left.

- 5, Suturing the aorta to the bladder with 0000 surgical silk contineously.
- 6, After the opening the above clamp, open the lower clamp.
- 7, a sleight bleeding from the amastomosis part, additional one suture to the upper suture.

8, Closure, the abdominal median incision.

Blood transfusion; 1000 ml(Containg 40 mg of Heparine) 5% Glucose solution; 500 ml.

1 Million unit of penicillin.

Transfusion is applied from the cephalic vein, and it is not so good for running, then from the branch of the portal vein transfusion is attempted.

The implanted bladder is not so pressed to the vena cava.

The length of the bladder is sutable and there is no kink.

Once blood pressure was low for the delay of the blood transfusion.

mechanical Booster heart.

Died 5 days of the operation

Implantable experiment(Exp. No B-10)

Subject: Implantation of the silastic bladder Patency experiment

No pressure Recording

Material: Silastic Woven teflon bladder (Neimeth S.R. No2 Type)

How to connect: Suturing

Dog used: No 383

Operation procedure:

1. Abdominal median incision.

2. Mobilize the abdominal aorta, under the left renal artéry to the bifulcation

9. cm in length 1.0 in diameter

- 3. Clamp the mobilized aorta just below the left renal artery and just above the bifulcation.
- 4. Resect the aorta at the 1.5 cm apar-t from the upper clamping, and suture the teflon graft at the eng of the bladder, with it.
- 5. Mesure the length of the bladder , and cut the distal end of the Suture the other end of the bladder with distal end of aorta. the aorta.
- 6. Open the upper clamping and fill theblood within the bladder, then open the lower clamping.
 7. Bleeding is not so much and stop within several minutes.
 8, Closure, the abdominal median incision.

Blood transfusion; 1000 ml(Containing 40 mg of heparine) 5% Glucose Solution; 200ml

1 million unit of penicillin 0.5 g of Streptomycin.

Transfusion is applied from the right femoral vein. and I am afraid for thetendency of clotking .

After the operation.

He can eat from the operation day and can stand up.

After 3 days of the operation, He can not stand up suddenly.

Died 5 days of the operation by the cause of the occlusion.

Specimen is preserved.

Aug3,1962

Experimental Data.

Mechanical Booster Heart

Implantable Basic Experment(Exp. NoB-10)

Subject: Implantation of the silastic bladder

Patency experiment

No pressure recording

Material: Silastic Woven Teflon Bladder (Neimeth S.R. No2 Type)

How to connect: Suturing

Dog used: No391

Operation Procedure:

Same as Exp. No10

After the operation.

After the operation his condition is completely well. after 5 days of the operation, suddenly he can not stand up. His legs under the knie is cold and femoral pulse is not palpable.

Died 13 Days after the operationby the cause of the occlusion.

Mechanical Booster Heart.

implantable Basic Experiment (exp.No B-12)

Subject: Implantation of the Bladder

Patency Experiment

Material Silastic Woven TeflonBladder(Neimeth S.R.No2.Type)

How to connect: Suturing

Dog Used: No.409

Operation procedure:

Same as Exp. No 10

After the operation:

After the operation his condition was completely well, He could eat well and walked well.

Suddenly, He cauld not stand up, his both legs under the knieis cold and could not palpable the femoral pulsation.

He died 6 days after the operation.

Postmortan examination:

By the cause of clott, the bladder is occluded.

Specimen is preserved.



Experimental Data

Aug 8,1962

8 days 1

Mechanical Booster heart.

Basic experiment----Experimental No B-13

Subject: I"plantation of the Bladder

Patency experiment

Material: Silastic woven Teflon Graft Bladder(Neimebh S.R. No2.Type)

How to connect: Suturing

Dog used: No392

Operation Procedure:

Same as Exp.No 10

After the Operation:

After the operation his condition was completely well. He could walk ,eat and same as before.

After 6 days of the operation, He can not stand up and can not feel the the pulsation at the femoral artery.

He died after 8 days of the operation.

Postmortan Examination:

Occlusion at the bladder. Specimen is presermed.

Experimental Data:

Aug10,1962

Mechanical Booster Heart

6 days 1

Basic Experiment------Experimental Data Ne-B-14

Subject: Implantation of the bladder

Patency Experiment

Material Silastic -woven teflon bladder(Neimeth S.R. No2.Type)

How to connect:suturing

Dog used: Ne415 9397 ?)

OPERATION PROCEDURE:

Same as experimental No10.

After the operation: af

After 3 days of the operation occlusion occured suddenly and he fall in paralysis of the lower legs. Before that his b condition was a quite well.

He died 6 day after operation

Postmortan examination.. Occlusion of the clott.